

ABSTRACT OF THE DISCLOSURE

A laser diode module in which a laser diode and an optical fiber are optically coupled with each other efficiently irrespective of an ambient temperature change within the laser diode module. The laser diode module includes a laser diode, an optical system, an optical system mounting member supporting at least a portion of the optical system, a laser diode mounting member, and a bottom plate supporting the laser diode, the optical system, the optical system mounting member, and the laser diode mounting member. The optical system receives and transmits a beam emitted from the laser diode through a lens portion to an optical fiber. The optical system mounting member is attached to the laser diode mounting member. The laser diode module preferably includes a thermo module having a first plate member attached to the laser diode mounting member. The laser diode mounting member is preferably formed of material having an expansion coefficient in a range between an expansion coefficient of the optical system mounting member and an expansion coefficient of the first plate member.

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